



Science and Mathematics Education

Bachelor of Arts, STEM Teaching Program

Four-Year Academic Road Map

Middle Level Science + STEM Teaching Program

Sample only—your academic advisor will help you create a plan that is right for you.
Upper-division electives will be selected in consultation with your faculty mentor.

YEAR 1	Fall Quarter		Winter Quarter		Spring Quarter		
	UNIV 101	Transition to CWU	SCED 102	Integrated Earth and Space Science	SCED 103 (K8: Science and Technology)	Integrated Physical Science	
	SCED 101 (K7: Phys and Natural World)	Integrated Life Science	K1: Academic Writing II	(ex. ENG 102)	K4: Global Dynamics	(ex. RELS 103)	
	Academic Writing I	(ex. ENG 101)	K3: Creative Expression	(ex. MUS 103)	K5: Humanities	(ex. HIST 102)	
	K2: Community Culture and Citizenship	(ex. LAJ 102)					
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 2	Fall Quarter		Winter Quarter		Spring Quarter		
	Quantitative Reasoning*	(ex. MATH 101)	SCED 305	The Story of Science	STP 202	Inquiry Based Lesson Design	
	PHYS 101	Introductory Astronomy	STP 201	Inquiry Approaches to Teaching	General elective		
	ENST 201	Earth as an Ecosystem	GEOL 202	Natural Hazards and Tectonics	General elective		
			General elective		General elective		
Total Quarter Credits		15	Total Quarter Credits		14	Total Quarter Credits	17

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	GEOL 302	Oceans and Atmosphere	STP 308	Perspectives on Science, Math, and STEM Education	STP 304	Classroom Interactions 1	
	STP 303	Knowing and Learning	STP 315	STEM Outreach Field Experience	STP 307A	Functions and Modeling for STEM Teaching	
	General elective		STP 410	STEM Professional Learning Community	General elective		
	General elective		BIOL 300	Introduction to Evolution	STP 407	STEM Networking Leadership Seminar	
Total Quarter Credits		17	Total Quarter Credits		15	Total Quarter Credits	14

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	STP 405	Classroom Interactions 2	STP 406	Project-Based Instruction	EFC 480	Student Teaching	
	SCED 467	Middle-Level Science Capstone	STP 450	Planning Inquiry Based Instruction	STP 465	Instructing and Assessing Inquiry Based STEM Education	
	General elective		PHYS 304	Astrobiology: Origins and Search for Life in the Universe			
			STP 309	Research Methods			
Total Quarter Credits		12	Total Quarter Credits		12	Total Quarter Credits	180

*Assumes appropriate Math placement. If your placement suggests a different starting point your advisor will design a plan that fits your needs and helps you build a strong foundation for success.

Other programs to consider: Middle Level Math major, Sport Coaching minor, Psychology minor, Child Development minor

Department Webpage



CWU Degree Requirements



CWU Course Catalog

